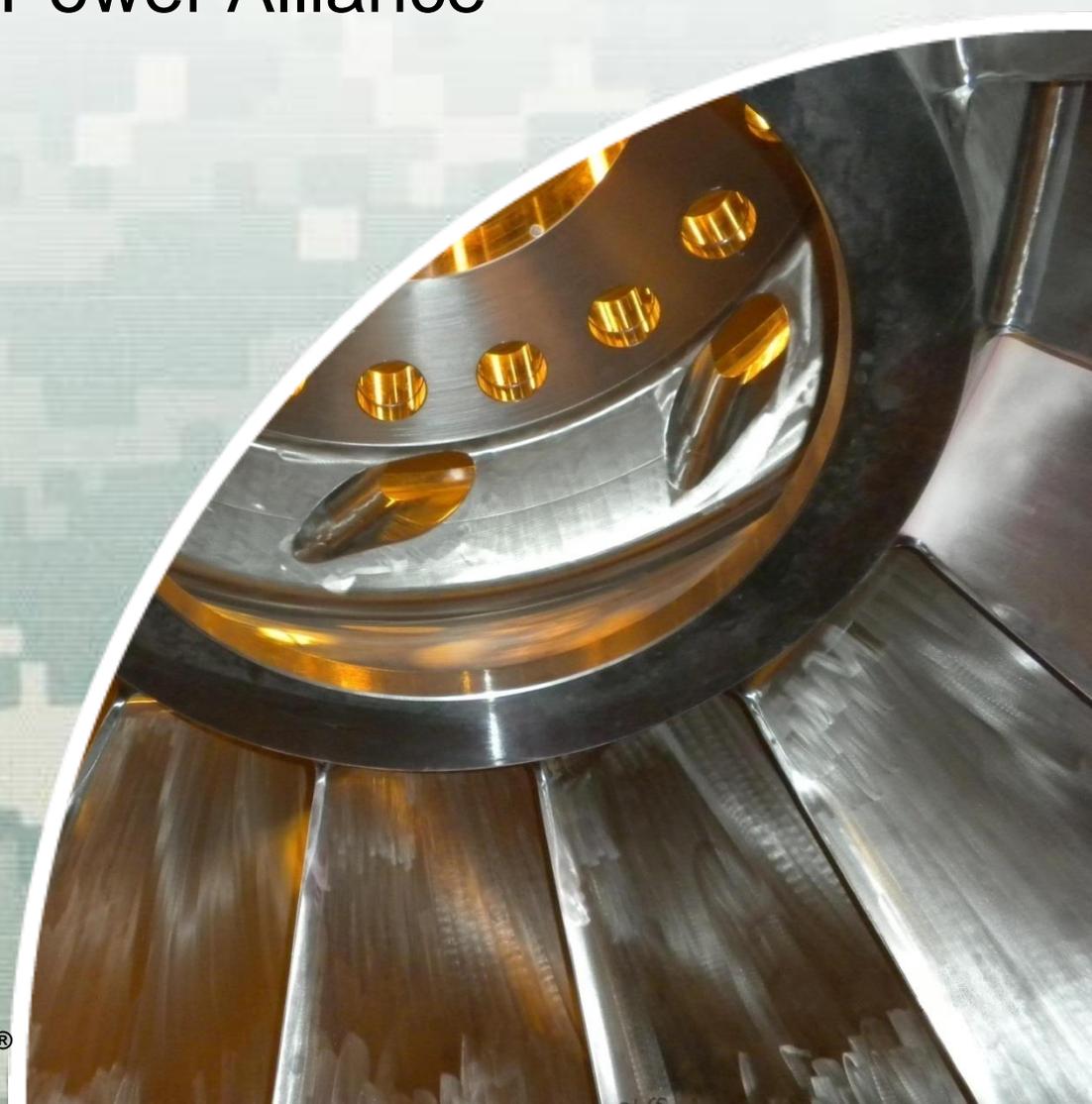


Mobile Update

Southeastern Federal Power Alliance

15 Sep 2016

Christopher Ludwig
U.S. Army Corps of Engineers
Mobile District





Major Maintenance Projects



BUILDING STRONG

West Point Transformer Replacement

Carters Rewind

Carters Reversing Switches

Millers Ferry Transformers

Buford and Walter F. George LV Switchgear

Customer

Customer

Customer

Appropriated

Appropriated



U.S. ARMY

West Point



BUILDING STRONG

Current status:

- Installation contract awarded – 20 Jul 2016
- Contractor working on installation design plan, schedule, and other pre-site work submittals

Next Steps:

- Contractor site mobilization
- Removal of existing transformers
- Installation of oil containment
- Switchyard and generator bus equipment installation
- Installation of new transformers

Other Comments:

- New transformers on site
- Scope includes modification of switchyard to complete “ring bus”; installation of new breakers, disconnects and bus.
- Scope also includes replacement of generator circuit breakers and bus.
- Unit #2 expected return to service December 2017 based on contract requirements.
Contractor developing detailed schedule which may expedite



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Carters Rewind



BUILDING STRONG

Current status:

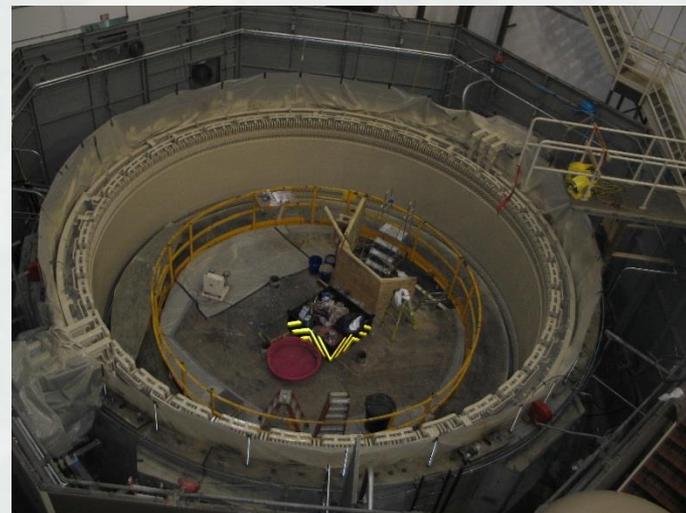
- Stator rewind complete
- Cracks discovered in the rotor rim wedge carriers
- Contractor is performing new finite element analysis (FEA) to determine correct repair procedure.

Next Steps:

- Complete FEA
- Perform repair of wedge carries
- Re-assemble rotor/generator
- Commission

Other Comments:

- Unit #4 is substantially complete, only the rotor issues are outstanding
- Unit #3 will immediately follow after commissioning of unit #4
- Crack issues are anticipated on unit #3 also and repair will be built into the schedule.
- Unit #4 expected return to service February 2017.





Carters Reversing Switches



BUILDING STRONG

Current status:

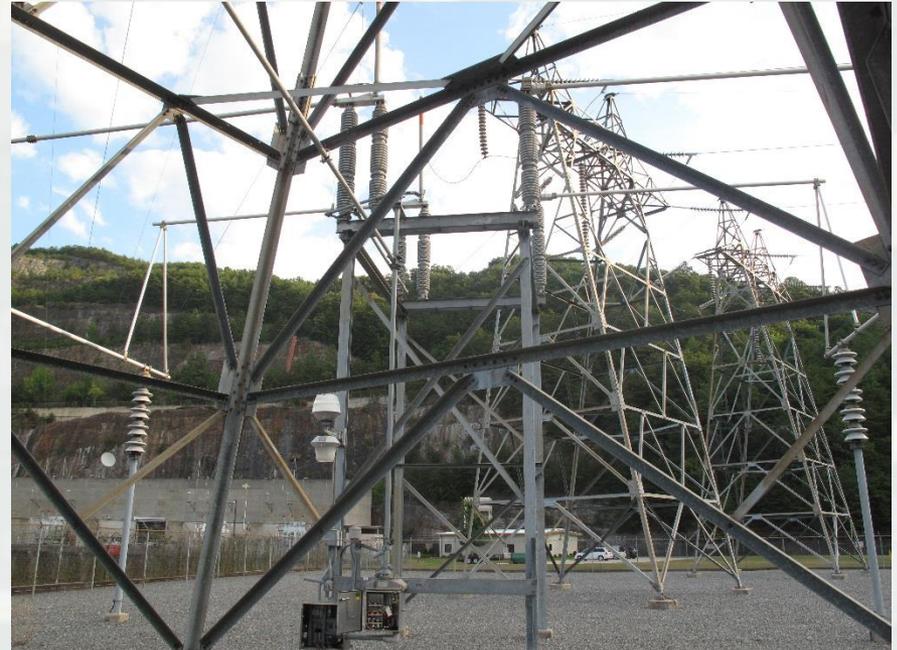
- Solicitation advertised and proposals received
- Amendment to customer funding agreement signed August 2016
- Expect award September 2016

Next Steps:

- Contractor site mobilization
- Removal of existing knife switch motor operated disconnects and installation of circuit breakers.

Other Comments:

- Reversing switches are being implemented using 230kV circuit breakers due to the duty cycle of the switches.
- Will attempt to coordinate installation of new breakers with unit #3 rewind
- Will most likely require a separate outage for unit #4 to complete the installation.
- Outages will be scheduled fall-winter, expect completion Spring 2019.





Millers Ferry Transformers



BUILDING STRONG

Current status:

- Solicitation advertised award expected September 2016

Next Steps:

- Contract award
- Contractor site mobilization
- Removal of existing transformers
- Installation of new transformers

Other Comments:

- Transformer lead time approximately 12 months based on previous projects
- Expected project completion Spring 2019





Buford/WFG Switchgear



BUILDING STRONG

Current status:

- Solicitation advertised expected award September 2016

Next Steps:

- Contract award
- Contractor site mobilization
- Replace switchgear

Other Comments:

- Requires contractor to provide temporary circuits for mission critical equipment. Will require several short (1 day) plant outages to switch between old, temporary, and new equipment.





BUILDING STRONG

QUESTIONS ?

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